

ACC353 Accounting Analytics

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

ACC353 Accounting Analytics covers the application of data analytical methods and tools to assist accounting professionals in their analysis of accounting and other data. The course will equip the students with skills to integrate analytical methods with management and accounting knowledge. It will also enable them to understand Big Data and how it impacts accounting and business processes. The course will focus on analytics techniques for decision making and examining data in financial accounting, management accounting and auditing functions. Students will learn the basic knowledge and skills in selecting and applying software tools used in data analytics for accounting and related work.

Topics:

- Accounting data and Big Data
- Source, storage and evaluation of accounting data
- Data mining for accounting data
- Framework for financial reporting and analysis
- Analytics in financial accounting
- Framework for managerial and cost accounting analysis
- Analytics in managerial accounting
- Analytics in business and other accounting areas
- Framework for continuous auditing and monitoring
- Analytics in tax reporting and compliance
- Problem formulation for accounting analytics
- Comprehensive case study

Textbooks:

Richardson, V., Terrell, K. and Teeter, R.: Data Analytics for Accounting (with Connect Access) 2nd
McGraw Hill
ISBN-13: 9781260904307

Learning Outcome:

- Discuss how Big Data is created, collected, stored, and accessed by technology.
- Examine the veracity of sources of unstructured and structured data for use in analysis.
- Employ data analytics techniques to analyse financial statements and understand implications of accounting policy and company performance.
- Demonstrate data analytics techniques to analyse cost accounting data and for creating measures of operational profitability and performance.
- Analyse accounting data to discover anomalies and identify potential control risks.
- Analyse tax data to discover tax problems and improve fillings and compliance.
- Execute data analytics techniques to solve accounting and business related problems so as to improve business performance and make better decisions.
- Examine and differentiate ethical issues related to data collection, storage, and use.
- Interpret and communicate the findings of accounting analytics to both specialists and non-specialists.
- Apply data analytic techniques to analyse accounting and related business datasets.
- Assess case studies and develop and solve analytical problems based on case study data.
- Use software packages to apply data analysis techniques.
- Develop the essential knowledge and interpersonal skills to work effectively in a team.
- Demonstrate proficiency in written and verbal communication skills.

Assessment Strategies (Daytime Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-COURSE QUIZ 1	2
	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	GROUP BASED ASSIGNMENT 1	15
	CLASS TEST 1	14
	PARTICIPATION 1	15
Overall Examinable Components	Written Exam	50
Total		100